

THE UNITED STATES PATENT AND TRADEMARK OFFICE

REQUEST FOR FILING NATIONAL PHASE OF

PCT APPLICATION UNDER 35 U.S.C. 371 AND 37 CFR 1.494 OR 1.495

02/20/97

To: The Commissioner of Patents
and Trademarks
Washington, D.C. 20231(Our Deposit Account No. 03-3975
(Our Order No. 41301 /235540
C# / M#TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)Atty. Dkt. 235540 /HCM/MJL/GB/C1072.06
M# / Client Ref.

From: Cushman Darby & Cushman

Date: FEBRUARY 20, 1997

This is a REQUEST for FILING a PCT/USA National Phase Application based on:

1. International Application <u>PCT / GB95 / 01949</u> ↑ country code	2. International Filing Date 17 AUG 1995 Day MONTH Year	3. Earliest Priority Date Claimed 20 AUG 1994 Day MONTH Year (use item 2 if no earlier priority)
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4. Measured from the earliest priority date in item 3, this PCT/USA National Phase Application Request is being filed within:

(a) [] 20 months from above item 3 date (b) [X] 30 months from above item 3 date,
 (c) Therefore, the due date (unextendable) is FEBRUARY 20, 1997

5. Title of Invention IMPROVEMENTS IN OR RELATING TO BINDING PROTEINS FOR RECOGNITION OF DNA

6. Inventor(s) CHOO, Yen et al

Applicant herewith submits the following under 35 U.S.C. 371 to effect filing:

7. [X] Please immediately start national examination procedures (35 U.S.C. 371(f)).

8. [X] A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is transmitted herewith (file if in English but, if in foreign language, file only if not transmitted to PTO by the International Bureau) including:

a. [X] Request;
b. [X] Abstract;
c. 63 pgs. Spec. and Claims;
d. 17 sheet(s) Drawing which are [] informal [X] formal of size [X] A4 [] 13" [] 14"

9. [X] A copy of the International Application has been transmitted by the International Bureau.

10. A translation of the International Application into English (35 U.S.C. 371(c)(2))
a. [] is transmitted herewith including: (1) [] Request; (2) [] Abstract;
(3) _____ pgs. Spec. and Claims;
(4) _____ sheet(s) Drawing which are:
[] informal [] formal of size [] A4 [] 11"

b. [] is not required, as the application was filed in English.
c. [] is not herewith, but will be filed when required by the forthcoming PTO Missing Requirements Notice per Rule 494(c) if box 4(a) is X'd or Rule 495(c) if box 4(b) is X'd.
d. [] Translation verification attached (not required now).

11. [X] PLEASE AMEND the specification before its first line by inserting as a separate paragraph:

~A~
-This application is the national phase of international application PCT/ GB95 / 01949,
filed August 17, 1995 which designated the U.S.--

12. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)), i.e., before 18th month from first priority date above in item 3, are transmitted herewith (file if in English but, If in foreign language, file only if not transmitted by the International Bureau) including:

13. PCT Article 19 claim amendments (if any) have been transmitted by the International Bureau.

14. Translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)), i.e., of claim amendments made before 18th month, is attached (required by 20th month from the date in item 3 if box 4(a) above is X'd, or 30th month if box 4(b) is X'd, or else amendments will be considered cancelled).

15. **A declaration of the Inventor** (35 U.S.C. 371(c)(4))
a. is submitted herewith Original Facsimile/Copy
b. is not herewith, but will be filed when required by the forthcoming PTO Missing Requirements Notice
per Rule 494(c) if box 4(a) is X'd or Rule 495(c) if box 4(b) is X'd.

16. **An International Search Report (ISR):**
a. Was prepared by European Patent Office Japanese Patent Office Other
b. has been transmitted by the International Bureau to PTO.
c. copy herewith (3 pg(s).) plus Annex of family members (pg(s).).

17. **International Preliminary Examination Report (IPER):**
a. has been transmitted (if this letter is filed after 28 months from date in item 3) in English by the International Bureau with Annexes (if any) in original language.
b. copy herewith In English
c. 1 IPER Annex(es) in original language ("Annexes" are amendments made to claims/spec/drawings during Examination) including attached amended:
c. 2 Specification/claim # Claim Nos. 1 - 42 Drawing Sheets #
c. 3 Which resulted in cancellation of pages # claims #
Dwg Sheets #
d. Translation of Annex(es) to IPER (required by 30th month due date, or else annexed amendments will be considered cancelled).

18. **Information Disclosure Statement including:**
a. Attached Form PTO-1449 listing documents
b. Attached copies of documents listed on Form PTO-1449
c. A concise explanation of relevance of ISR references is given in the ISR.

19. **Assignment** document and Cover Sheet for recording are attached. Please mail the recorded assignment document back to the person whose signature, name and address appear at the end of this letter.

20. Copy of Power to IA agent.

21. **Drawings:** sheet(s) per set: 1 set informal; Formal of size A4 11"

22. (No.) **Verified Statement(s)** establishing "small entity" status under Rules 9 & 27

23. **Priority** is hereby claimed under 35 U.S.C. 119/365 based on the priority claim and the certified copy, both filed in the International Application during the international stage based on the filing in (country) GREAT BRITAIN of:

<u>Application No.</u>	<u>Filing Date</u>	<u>Application No.</u>	<u>Filing Date</u>
(1) <u>9416880.4</u>	<u>20 AUG 1994</u>	(4) <u> </u>	<u> </u>
(2) <u>9422534.9</u>	<u>08 NOV 1994</u>	(5) <u> </u>	<u> </u>
(3) <u>9514698.1</u>	<u>18 JUL 1995</u>	(6) <u> </u>	<u> </u>

a. See Form PCT/IB/304 sent to US/DO with copy of priority documents. If copy has not been received, please proceed promptly to obtain same from the IB.

b. Copy of Form PCT/IB/304 attached. (2 pages)

24. Attached: 1) = Form PCT/IB/306 - Notification of the recording of a Change and
2) = Paper version and Computer readable Sequence Listing

25. Preliminary Amendment: (SEE ATTACHED)

25.5 Per item 17.c3, cancel original pages # _____, claims # _____, Drawing Sheets # _____26. Calculation of the U.S. National Fee (35 U.S.C. 371 (c)(1)) and other fees is as follows:
based on amended claim(s) per above item(s) [] 12, [] 14, [] 17, [X] 25 [] 25.5 (hilite)

			Large/Small Entity	Fee Code
TOTAL EFFECTIVE CLAIMS	<u>42</u>	- 20 =	<u>* 22</u>	x \$ 22/\$11 = \$ _____ (968/967)
INDEPENDENT CLAIMS	<u>6</u>	- 3 =	<u>* 3</u>	x \$ 80/\$40 = \$ _____ (964/965)

*If answer <0, enter "0"

If any proper (Ignore improper) MULTIPLE DEPENDENT CLAIM is present, ----- add \$260/\$130 + _____ (968/969)

BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(4)):-----**BASIC FEE REQUIRED, NOW** →↓A. If country code letters in item 1 are not "US", "BR", "BB", "TT", "MX", "IL or "NZ" ↓

See item 16 re:

<input type="checkbox"/>	1. Search Report was <u>not</u> prepared by EPO or JPO -----	add \$1040/\$520 + _____ (960/961)
<input checked="" type="checkbox"/>	2. Search Report was prepared by EPO or JPO -----	add \$910/\$455 + _____ 910.00 (960/961)

SKIP B, C, D AND E UNLESS country code letters in item 1 are "US", "BR", "BB", "TT", "MX", "IL" or "NZ"

<input type="checkbox"/>	B. If neither international search fee nor international preliminary examination fee was paid to <u>USPTO</u> , -----	add \$1040/\$520 + _____ (960/961)
<input checked="" type="checkbox"/>	C. If international search fee was paid to <u>USPTO</u> but not international preliminary examination fee, -----	add \$770/\$385 + _____ (960/962)
<input type="checkbox"/>	D. If international preliminary examination fee was paid to <u>USPTO</u> -----	add \$700/\$350 + _____ (963/967)
<input type="checkbox"/>	E. If international preliminary examination fee was paid to <u>USPTO</u> and Rules 492(a)(4) and 496(b) <u>satisfied</u> , -----	add \$96/\$48 + _____ (962/963)

27.

SUBTOTAL = \$ 910.00

28. If Assignment box 19 above is X'd, add Assignment Recording fee of ----- \$40.00 + _____ (581)

29. Attached is a check to cover the ----- **TOTAL FEES** \$ 910.00

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 and 492 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This **CHARGE STATEMENT** does not authorize charge of the Issue fee until/unless an Issue fee transmittal form is filed.

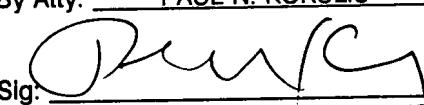
Cushman Darby & Cushman
Intellectual Property Group of
Pillsbury Madison & Sutro LLP

1100 New York Avenue
Ninth Floor, East Tower
Washington, D.C. 20005-3918
Tel: (202) 861-3000
Atty/Sec:PNK:sdm

By Atty: PAUL N. KOKULISReg. No. 16773

Fax: (202) 822-0944

Tel.: (202) 861- 3503

Sig: NOTE: File in duplicate with 2 postcard receipts (ODC-103) & attachments.

CDC-103 11/95 PTO RECEIPT FOR INDICATED ITEMS

Appln. No: 0 / Atty. PNK
 Inventor(s) CHOO, Yen et al Date 2/20/97
 Title: IMPROVEMENTS IN OR... Client KEITH NASH
41301
M# 235540

ENCLOSED:

Amendment (preliminary)
 No. of Pages Abstract
 No. of Pages Spec and Claims
 No. of numbered Claims only
 No. Sheets Drawings (Fig(s) 1 to 15) 1 set Formal
 Declaration (#pgs) 1 set Informal
 Assignment [] Cover Sheet
 No. of Priority Documents
 IDS including PTO-1449 cited docs. search rept.
 Issue Fee Transmittal Form PTOL-85(b)
 Fee (Check) Paper and computer readable sequence listing
 Other:

FFR 20 1007

CURRENT DUE DATE: 2/20/97

COPY

CDC-103 11/95 PTO RECEIPT FOR INDICATED ITEMS

Appln. No: 0 / Atty. PNK
 Inventor(s) CHOO, Yen et al Date 2/20/97
 Title: IMPROVEMENTS IN OR... Client KEITH NASH
41301
C# 235540

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 Issue Fee Transmittal Form PTOL-85(b)
 Fee (Check) Paper and computer readable sequence listing
 Other:

71632 U.S. PTO
02/20/9789 Rec'd PCT/PTO 20 FEB 1997
CURRENT DUE DATE: 2/20/97